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Guided By

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Project Title

**EXPERIMENTAL ANALYSIS & IMPROVEMENT OF COMPRESSED
AIR POWERED VEHICLE**

Abstract:

The fossil fuel engines which were good enough for us before 30-40 years but now they are one of the sources of contributor of global warming and pollution with fossil fuel crises. The Air Powered Vehicle is an eco-friendly vehicle which works on compressed air. An Air Powered vehicle uses air as a fuel. An Air Powered Vehicle uses the expansion of compressed air to drive the pistons of an engine. An Air Driven Engine is a pneumatic actuator that creates useful work by expanding compressed air. There is no mixing of fuel with air as there is no combustion.

An Air Driven Engine makes use of Compressed Air Technology for its operation. The Compressed Air Technology is quite simple. If we compress normal air into a cylinder the air would hold some energy within it. This energy can be utilized for useful purposes. When this compressed air expands, the energy is released to do work. So this energy in compressed air can also be utilized to displace a piston. The power developed by the air engine is less than the power developed by the fossil fuel engines but still due to environment benefits improvement should be done on the air powered vehicle.

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